

SUBSTITUTE ABSTRACT

A solar battery system with an improved effect of utilizing solar energy and a thermoelectric hybrid type solar battery system for recovering heat energy are provided. The system includes a solar battery panel receiving sunlight at a light receiving surface and supplying electricity generated by photoelectric conversion to the outside, a heat pipe having a serpentine thin hole provided therein with a sealed refrigerant fluid or having a plate-shaped structure, wherein a surface of the plate-shaped structure on one end portion is affixed to a back surface of the light receiving surface of the solar battery panel, and receiving heat generated at the solar battery panel from the end portion and conducting to the other end portion, and a heat release part receiving the heat from the other end portion which is conducted in the heat pipe.